

# Squirrel 610

## TEMPERATURE LOGGER

*Building on over 40 years experience in temperature monitoring, the Grant Squirrel OQ610 Logger is easy to use, more affordable, and offers greater flexibility for measuring temperature. The OQ610 can start recording or print results at the touch of a button, and with SquirrelView software can be configured to your precise requirements.*

### Key Features

- 6 channel temperature logger for use with a wide range of K or T type thermocouple probes offers greater flexibility and a quick response
- Battery operated and easily portable
- Simple 3 button operation via built in display or from PC
- Can be configured to automatically start and stop logging on time or temperature levels
- Fast sample rates for fast process times; up to 8 samples/second and, if required, can provide automatic cure calculation in through process applications
- Non-volatile memory provides up to 260,000 readings of secure data
- Time and date reported with each reading
- USB communication port

### Benefits

#### Flexibility in temperature monitoring:

Suitable for a wide range of temperature recording applications in industry, research & development.

#### Simple to use:

Power up the logger, connect your thermocouples and conduct your tests. The logger automatically detects when sensors are present making setup easy.

#### Small in size:

The OQ610 is small and compact, making it suitable for use in a variety of applications, thus offering complete flexibility.

#### Simple record keeping:

With the touch of a button, the OQ610 can directly print user-configurable, concise reports to simplify record keeping and provide ISO 9000 quality records. USB communications enables direct printout without the need to connect to a PC.

Free  
Software  
&  
Technical  
Helpline

built-in display  
and keypad for  
ease of use

small,  
compact &  
robust steel  
case



6 "auto detect"  
thermocouple inputs  
make setup easy

USB port for direct  
connection to an A4  
portable or desktop  
printer for immediate  
results with no need  
to connect to a PC

### Software

#### SquirrelView:

Easy to use setup and  
download software

#### SquirrelView Plus:

SquirrelView with on-line  
and historical graphing

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### System Specification

#### ACCURACY

-150 to 500°C, ±0.5°C  
 (-238°F to 932°F, ±0.9°F)  
 -200 to 1300°C ±1.0°C  
 (-328 to 2372°F, ± 1.8°F)

#### RESOLUTION

0.1°C (0.18°F)

#### SAMPLING RATE

**Fastest:** eight times per second per channel  
**Slowest:** once every two hours per channel

#### CHANNELS

6 K or T type thermocouple

#### TEMPERATURE MEASURING RANGE

-200°C to 1300°C (-328 to 2372°F) (K type)  
 -200°C to 400°C (-328 to 752°F) (T type)

#### OPERATING ENVIRONMENT

Temperature range -30 to 65°C,  
 Humidity 95%

#### MEMORY

Flash memory of 260,000 readings

#### MAXIMUM RUNS STORED

8

#### COMMUNICATION

USB 1.1 and 2.0 compatible

#### DISPLAY

Alphanumeric display of 2 x 16 characters shows cure pass/fail, battery status, probes connected, real time readings and communication to printer or PC

#### POWER SUPPLY

Two AA cells to give 200 hours operation at default settings

#### DIMENSIONS AND WEIGHT

**Dimensions (l x w x h):** 148x95x21mm  
**Weight:** 450g

#### DIRECT PRINTING

Printer driver types: HP Deskjets  
 (for more information, contact our  
 Logger Sales department)

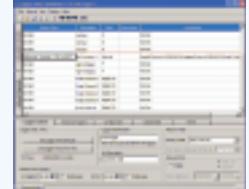
### SquirrelView software

Powerful and easy to use spreadsheet style software for configuring, downloading, displaying and analysing data from your Squirrel data logger.

Upgrade to SquirrelView Plus and with just a few mouse clicks you will quickly be able to view real time charts or historical data. You can also quickly download the data for use in your favourite spreadsheet, database or analysis program.

#### Features:

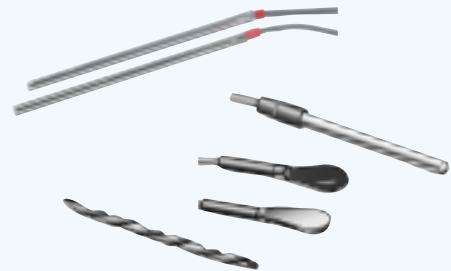
- Storage of user settings on PC
- Temperature profile feature
- Upper and lower thresholds
- Viewing of tabulated data
- Real time metering for test purposes
- Export of data to ASCII format
- Basic report function



### Probes

The OQ610 logger is suitable for use with our wide range of thermocouple sensors. Thermocouples have a quick response time and are suitable for a wide range of applications,

from small and delicate, to heavy industrial. Our full range of probes can be found in our Temperature and Humidity Probes datasheet, which is available on request.



Due to our policy of continuous improvements, specifications may change without prior notice. Grant believe that all information declared is correct at the time of issue. No liability is accepted for errors and omissions.

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**Warranty:** The OQ 610 logger is manufactured by Grant Instruments and warranted against faulty materials or workmanship for one year. For repairs carried out under warranty, no charge is made for labour, materials or return carriage.  
**CE mark:** The Grant OQ 610 data acquisition system bears a CE mark and meets relevant European directives.  
**Quality Statement:** Grant Instruments operates a Quality Management System complying with ISO9001:2000.  
 It is Grant's policy to supply customers with products which are fit for their intended purpose, safe in use, perform reliably to published specification and are backed by a fast and efficient customer support service.  
**Manufactured and designed in Cambridge, England.**